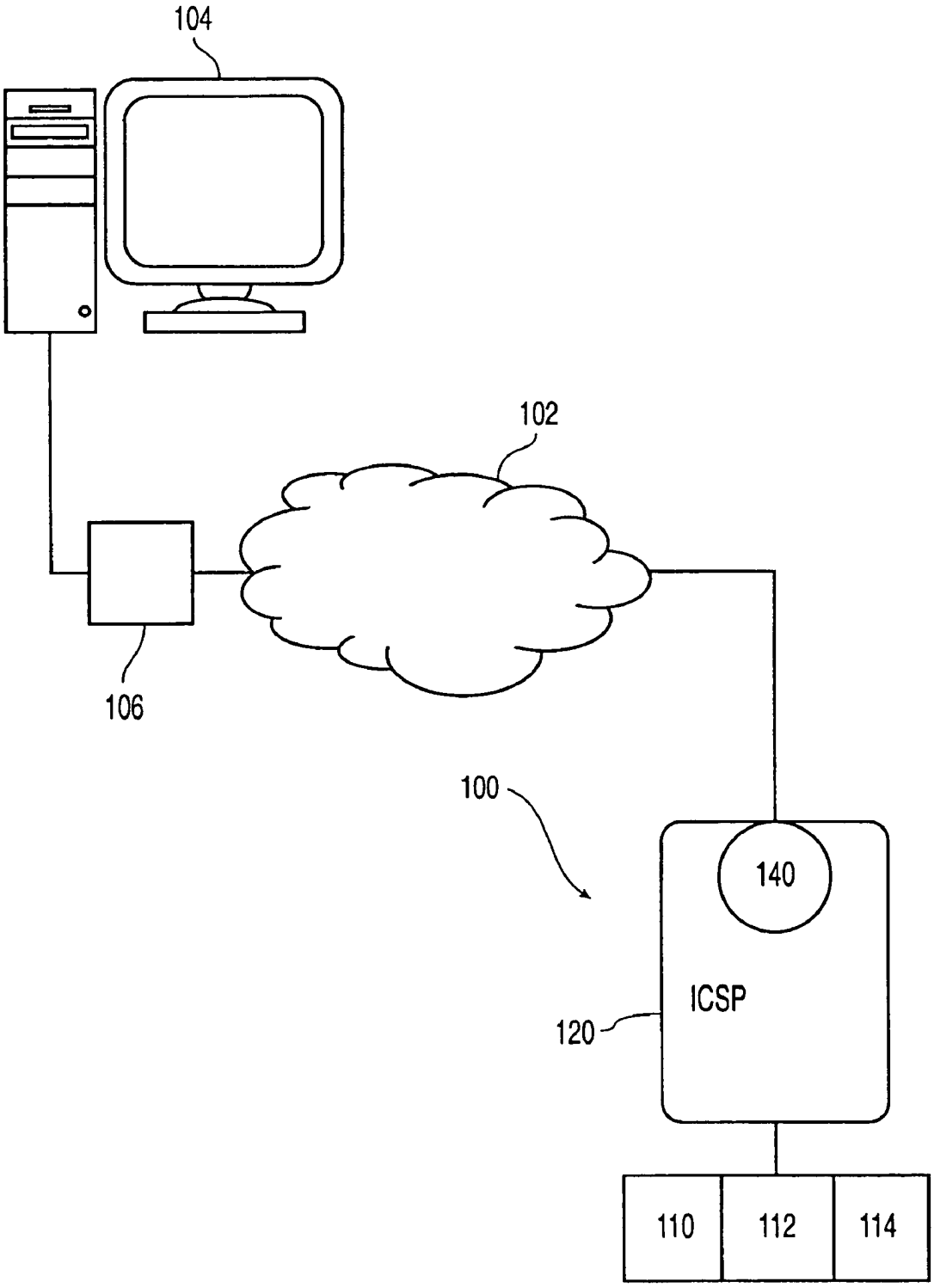

Fig. 1

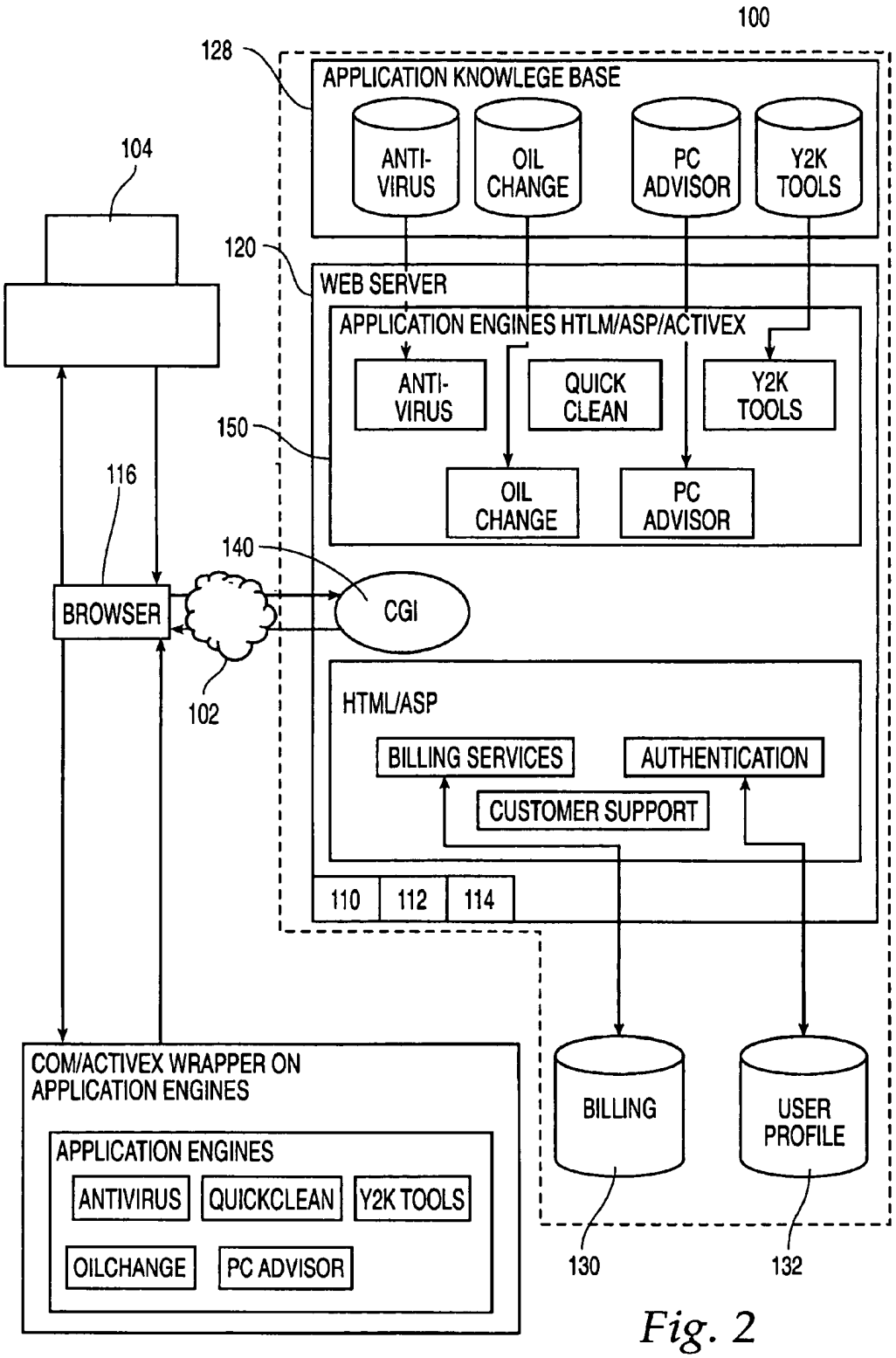
100
128
APPLICATION KNOWLEGE BASE
ANTI-VIRUS
OIL CHANGE
PC ADVISOR
Y2K TOOLS
104
120
WEB SERVER
APPLICATION ENGINES HTLM/ASP/ACTIVEX
ANTI-VIRUS
QUICK CLEAN
Y2K TOOLS
150
OIL CHANGE
PC ADVISOR
116
140
BROWSER
CGI
102
HTML/ASP
BILLING SERVICES
AUTHENTICATION
CUSTOMER SUPPORT
110
112
114
COM/ACTIVEX WRAPPER ON APPLICATION ENGINES
APPLICATION ENGINES
ANTIVIRUS
QUICKCLEAN
Y2K TOOLS
OILCHANGE
PC ADVISOR
BILLING
USER PROFILE
130
132

Fig. 2

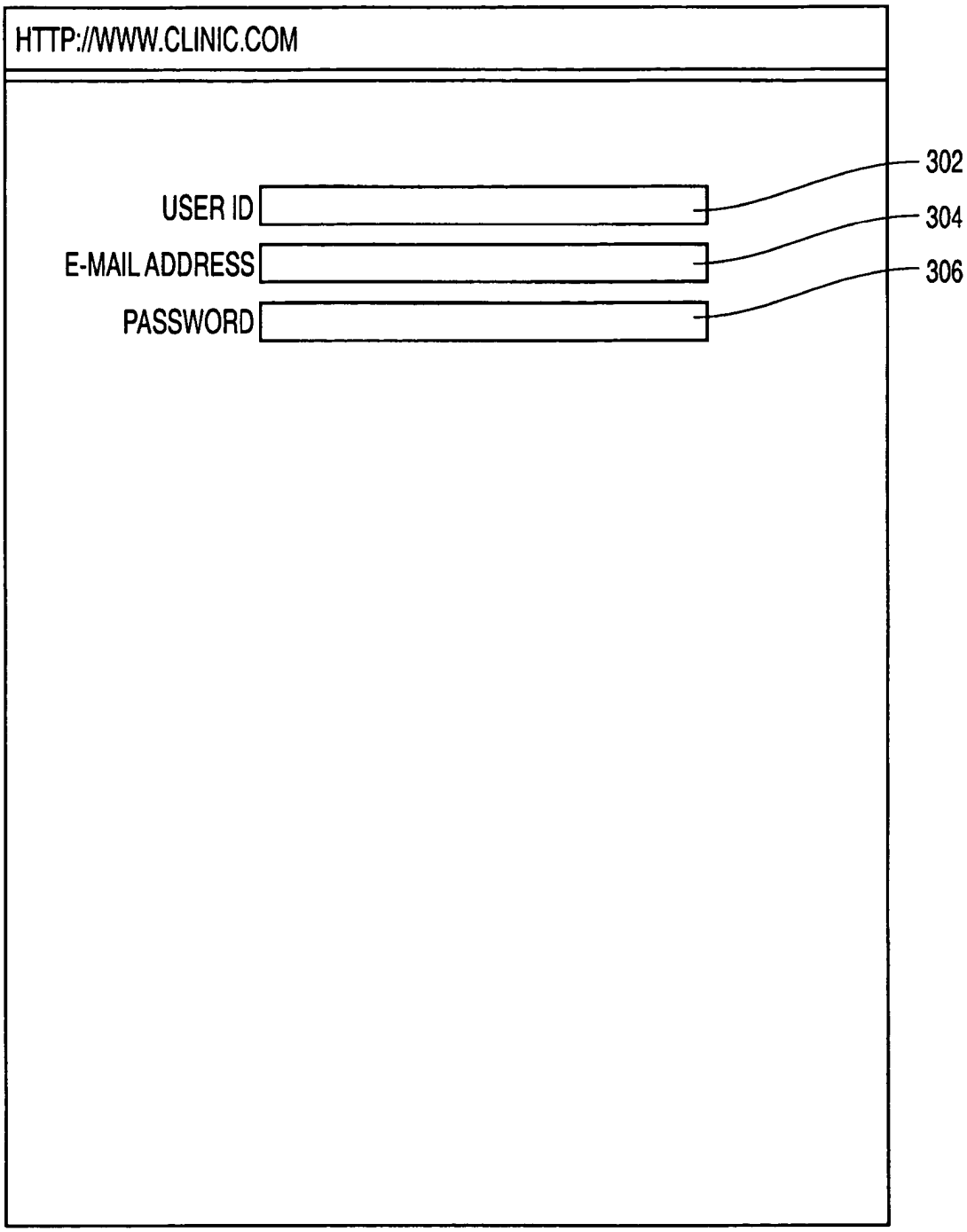
300
HTTP://WWW.CLINIC.COM
USER ID
E-MAIL ADDRESS
PASSWORD
302
304
306

Fig. 3

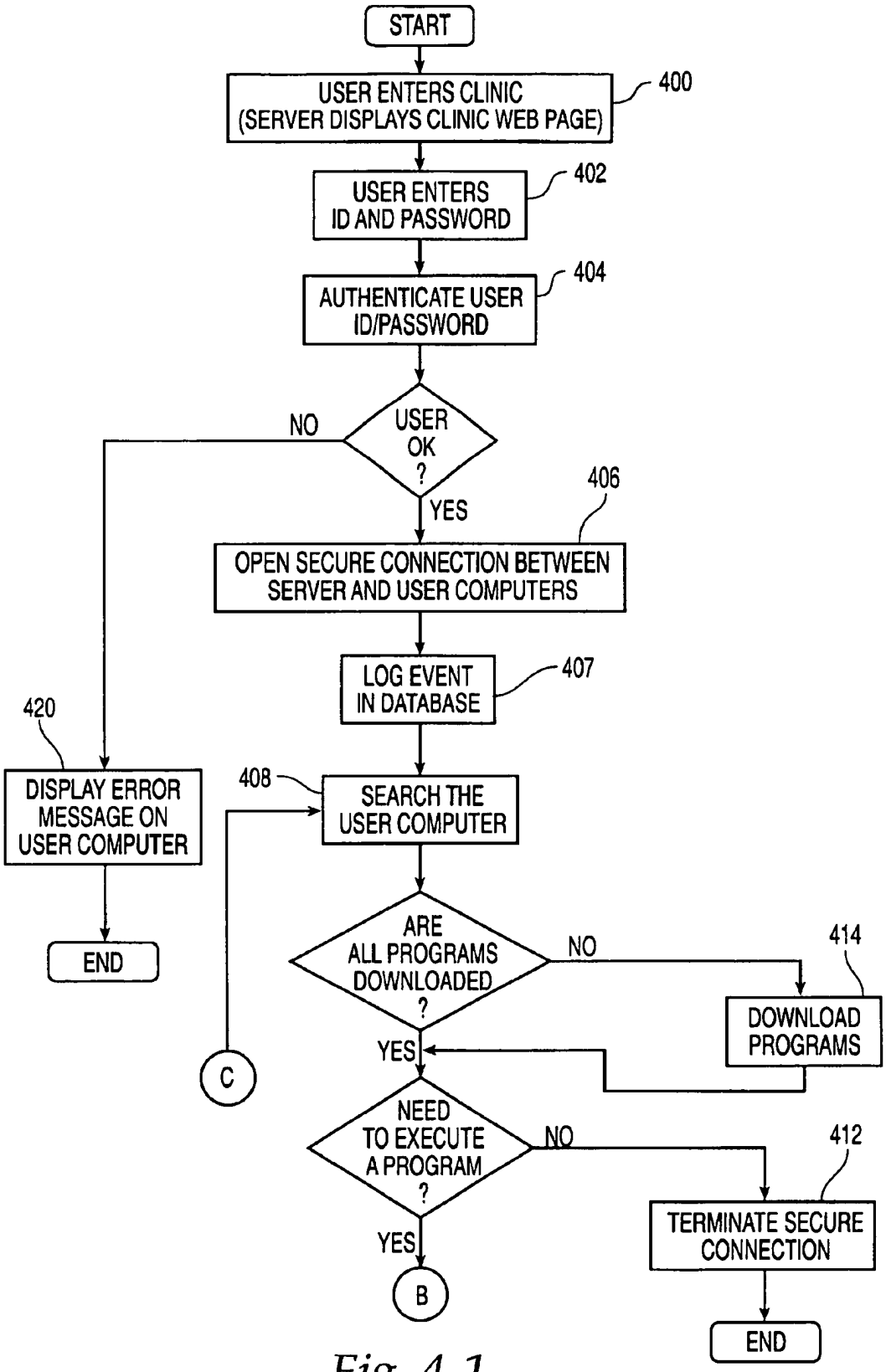
START
USER ENTERS CLINIC (SERVER DISPLAYS CLINIC WEB PAGE)
400
USER ENTERS ID AND PASSWORD
402
AUTHENTICATE USER ID/PASSWORD
404
USER OK ?
NO
YES
406
OPEN SECURE CONNECTION BETWEEN SERVER AND USER COMPUTERS
LOG EVENT IN DATABASE
407
420
DISPLAY ERROR MESSAGE ON USER COMPUTER
408
SEARCH THE USER COMPUTER
END
ARE ALL PROGRAMS DOWNLOADED ?
NO
414
DOWNLOAD PROGRAMS
YES
C
NEED TO EXECUTE A PROGRAM ?
NO
412
YES
TERMINATE SECURE CONNECTION
B
END

Fig. 4-1

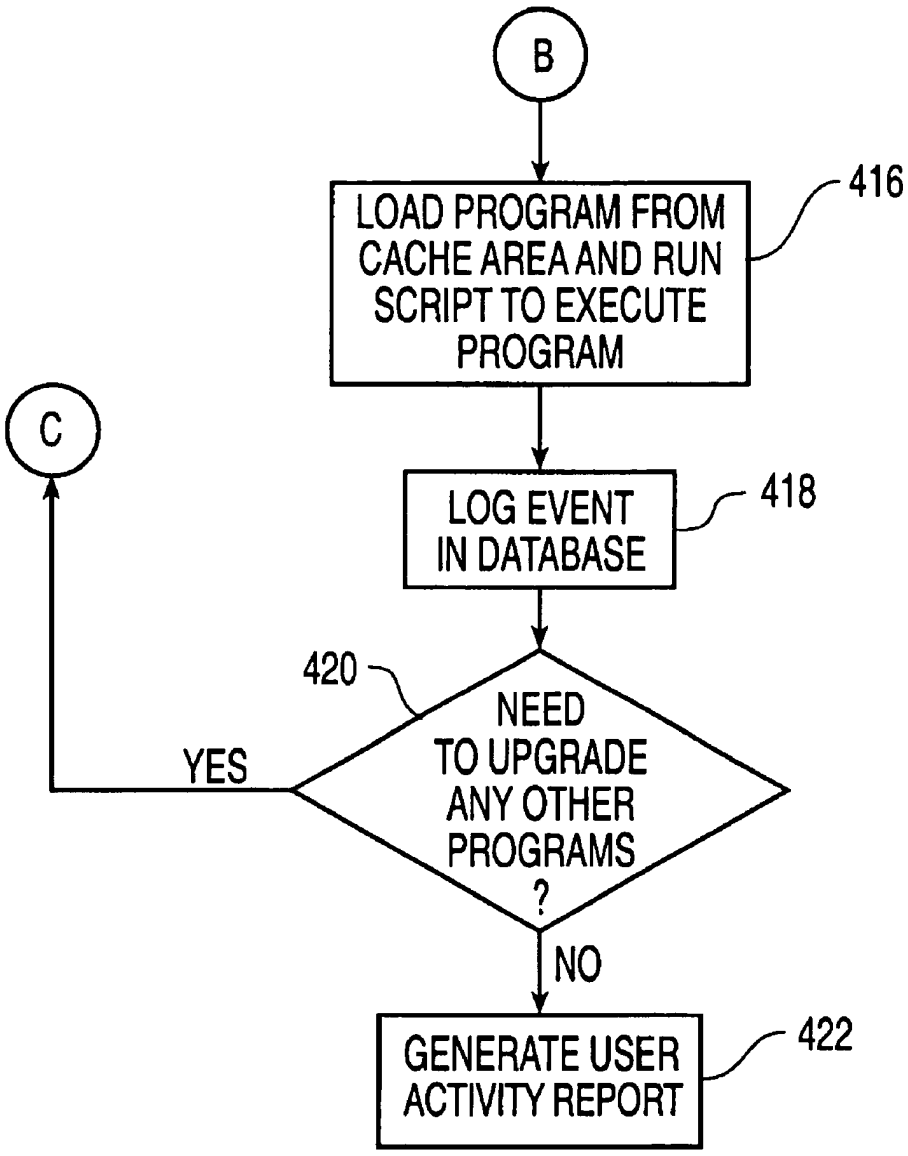
B
LOAD PROGRAM FROM CACHE AREA AND RUN SCRIPT TO EXECUTE PROGRAM
416
LOG EVENT IN DATABASE
418
420
NEED TO UPGRADE ANY OTHER PROGRAMS ?
YES
C
NO
GENERATE USER ACTIVITY REPORT
422

Fig. 4-2

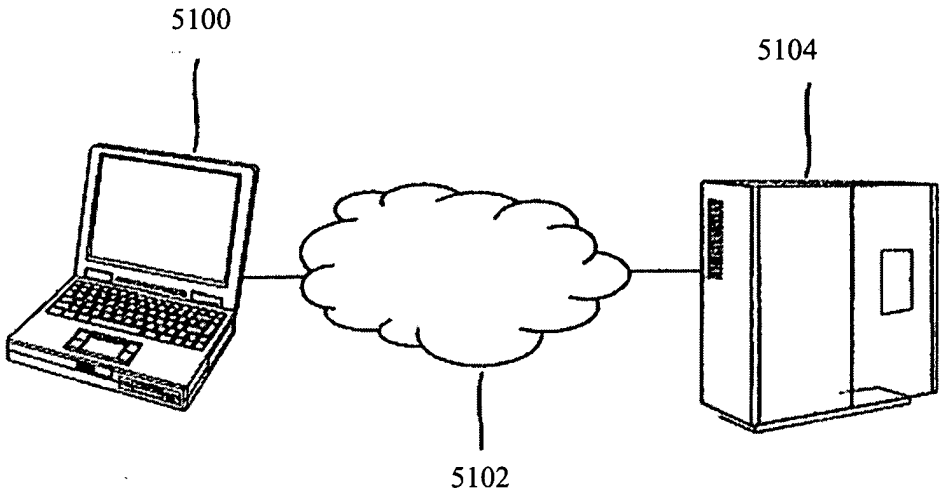

FIG. 5

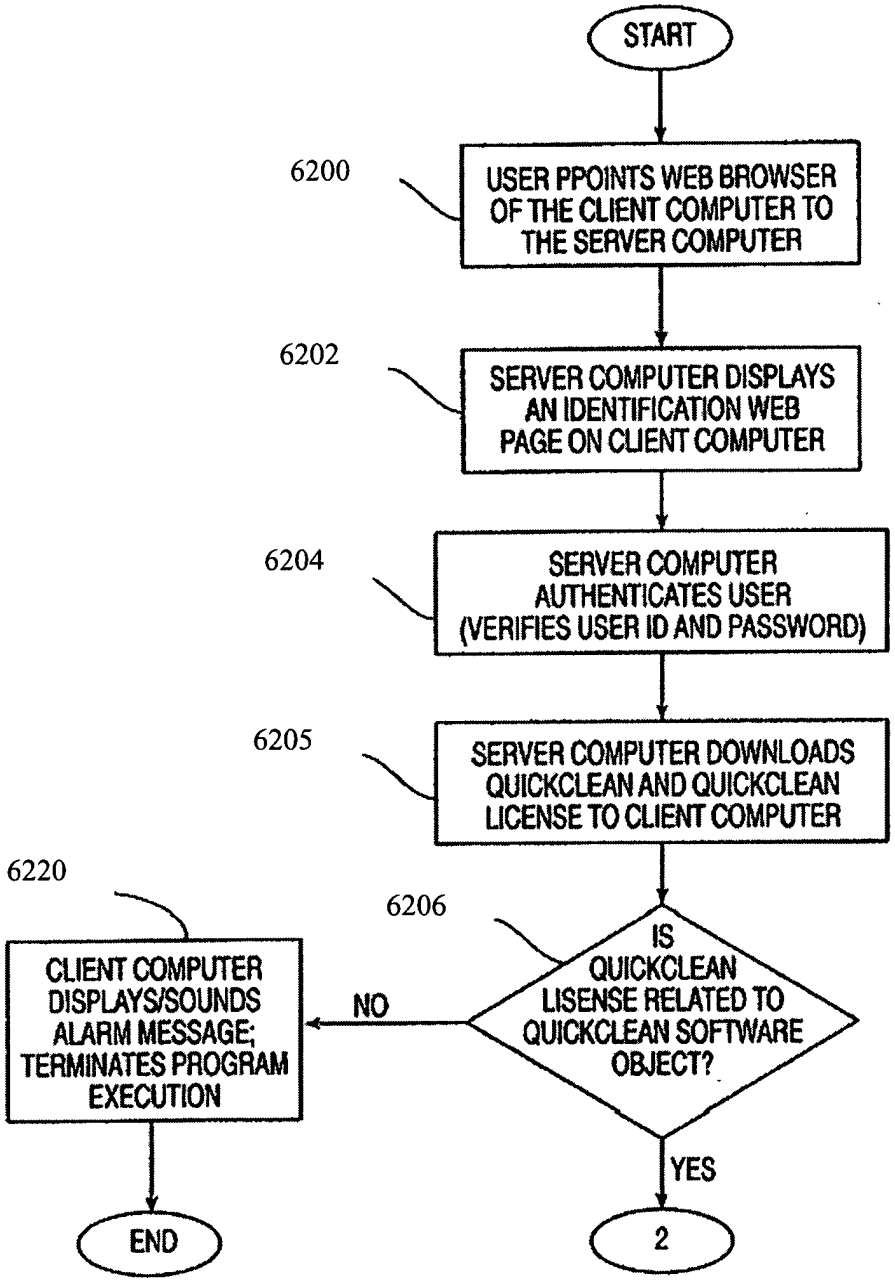
START
6200
USER PPOINTS WEB BROWSER OF THE CLIENT COMPUTER TO THE SERVER COMPUTER
6202
SERVER COMPUTER DISPLAYS AN IDENTIFICATION WEB PAGE ON CLIENT COMPUTER
6204
SERVER COMPUTER AUTHENTICATES USER (VERIFIES USER ID AND PASSWORD)
6205
SERVER COMPUTER DOWNLOADS QUICKCLEAN AND QUICKCLEAN LICENSE TO CLIENT COMPUTER
6206
IS QUICKCLEAN LISENSE RELATED TO QUICKCLEAN SOFTWARE OBJECT?
NO
6220
CLIENT COMPUTER DISPLAYS/SOUNDS ALARM MESSAGE; TERMINATES PROGRAM EXECUTION
END
YES
2

FIG. 6A

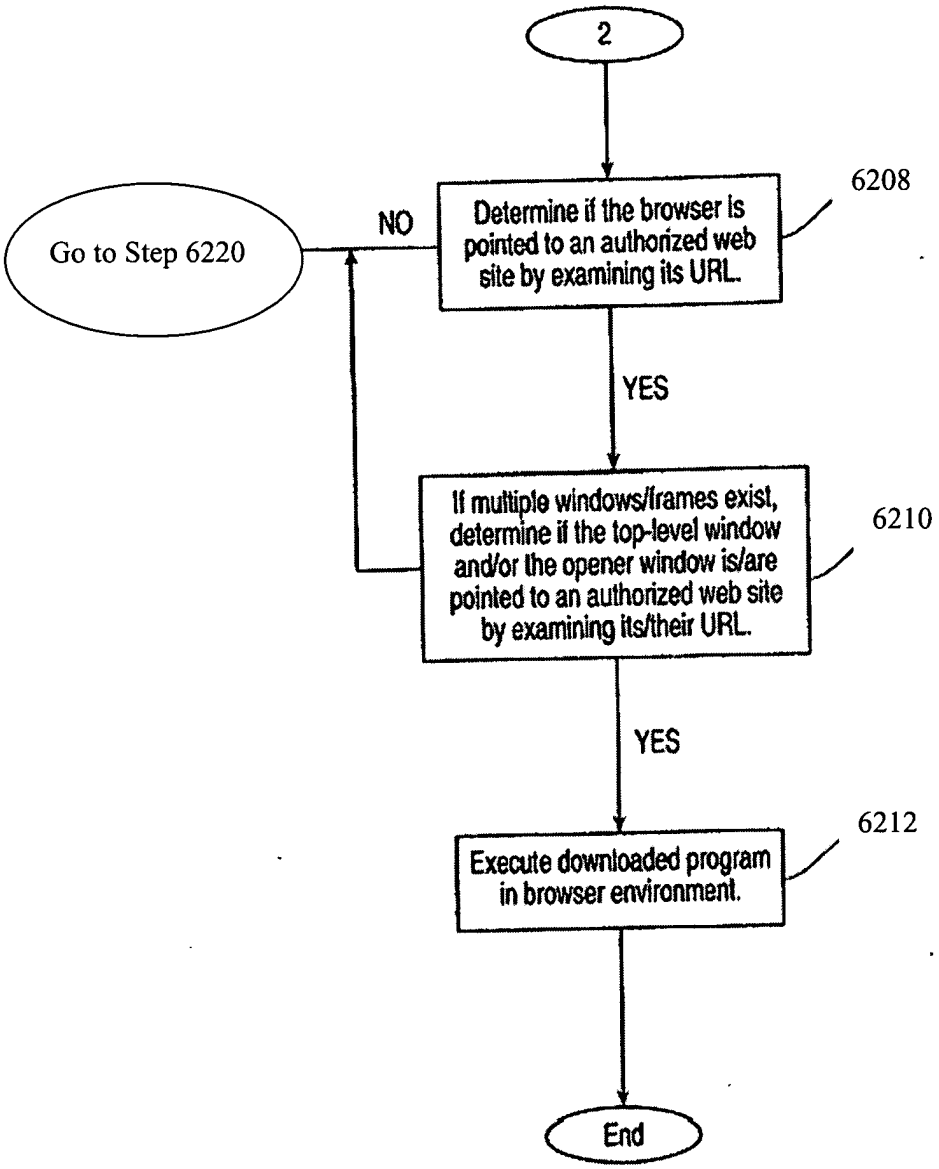
2
Determine if the browser is pointed to an authorized web site by examining its URL.
6208
NO
Go to Step 6220
YES
If multiple windows/frames exist, determine if the top-level window and/or the opener window is/are pointed to an authorized web site by examining its/their URL.
6210
YES
Execute downloaded program in browser environment.
6212
End

FIG. 6B